

# Cable Compounds

## Thermoplastic semi conductive outer shielding and jacketing compound

**E6708** is a conductive thermoplastic compound intended as jacket or jacket screen.

### Specifications

**E6708** meets the requirements as below, when optimal processing extrusion and end testing procedure are used:

- HD 620
- SS-EN 4241416
- IEC 60811

### Typical physical properties:

Property	Test method	Unit	Typical Value
Density at 23°C	ASTM D1928	g/cm <sup>3</sup>	1,03
Moisture	QAHC-10420, (Karl Fischer method)	PPM	< 400
Tensile strength	ASTM D638	MPa	> 20
Elongation	ASTM D638	%	> 450
MFR at 190°C, 2,16 kg	ISO 1133	g/10 min	0,6
Hardness Shore D 3s	ISO 7619-2010	-	> 57
Elongation at low temperature	IEC60811-1-4	°C	< -25
Environmental stress crack, Resistance (50°C) (Igepal 10%), (FO)1	IEC60811-1-4/B	h	>

### Typical electrical properties:

Property	Test method	Unit	Typical Value
DC Volume Resistivity of Cable at 23°C	ASTM D257	Ohm cm	< 100

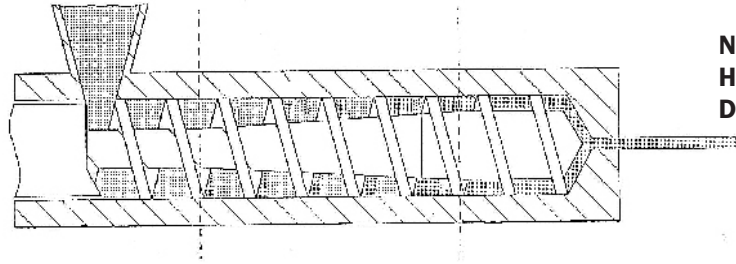
**Processing conditions**

**E6708** does not require predrying. E6708 provides an excellent surface finish when processing conditions are optimised for the actual processing equipment.

Actual conditions will vary according to the equipment used, but as a guide we recommend following extrusion conditions:

**Desiccant dryer: -**

**Hopper: -**



**Neck: 190-220°C**

**Head: 190-220°C**

**Die: 190-220°C**

**Screw cooling: -**

**Comments: -**

**Extruder**

**Hopper inlet: 100-160°C**

**Barrel: 160-210°C**

**Delivery**

Form: Pellets

Package: 500 kg octabins with aluminium liner

**Storage/Handling**

The material is packed, secured and sealed fulfilling the stated properties above. The material shall be stored in sealed container and under dry and tempered conditions to obtain sustainable performance. Opened package should be carefully sealed before storage.

**Safety**

Safety data sheet is available upon request.

The data sheet should be considered as guidelines, not binding information.

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